



HERE ARE THREE MORE Y-12 TEAMS IN TRAINING FOR the Carbide First Aid Contest on August 23. At left is the women's team from the Product Processing Department. Kneeling are Sue Strange, Dot Clark, captain, Margie Giles and Iva Mitchell. Standing are Joyce Williamson and Dennie Williams. The patient is Iva Jones. The center picture is of the Analytical

Chemistry Division team and clockwise, from left, are T. R. Phillips, Jerry Goldberg, J. C. Williams, Bill Ross, captain, R. F. Apple and C. G. Fuson. The patient is C. E. Prather. At right is the Uranium Process Department "B" team. In front are H. T. Clark, W. J. Hatcher, captain, J. R. Wells and E. O. Sykes. In was made was F. R. W. Huff, the team's patient.

13 Y-12 Teams Will Seek Honors In First Aid Meet

40 Groups To Compete In Event August 23 At Blankenship Field

The 13 first aid teams in Y-12 that will represent the plant in the sixth annual Carbide First Aid Contest at Blankenship Field on August 23, are winding up their training this week with high hopes of finishing high among the leaders in the event and even bringing back the Carbide Company trophy back here from Paducah, Ky. Training Department supervisors of the four Carbide plants that will participate in the contest announced last week that 40 teams are expected to take the field in the event with K-25 having 16, Oak Ridge National Laboratory eight and Paducah three.

Y-12 Has Won Twice

The big Company trophy was won by the lone Paducah team entered in the 1951 contest. In 1950 it was won by a K-25 team and in 1949 a Y-12 Fire Department team captured the prize the first year it was offered. A Y-12 women's team also turned in the high score in 1948. The trophy must be won two years in succession to remain in permanent possession of the plant represented by the top team.

In addition to the Company trophy the winning team in the contest will receive a cash award of \$175. The top team in each Carbide unit will receive \$105 in cash and the second team \$52.50.

In past years the winning team in each unit received a trophy of its own but the four-plant committee this year has planned to present each member of the winning team with a personal trophy instead of the team prize. These individual trophies will be eight inches high and will be appropriately engraved.

The 13 teams from Y-12 this year will be one less than the number entered last year and the total of 40 in the contest will be one more than in the 1951 event. Among the Y-12 teams entered are two feminine groups.

Training Valuable

The annual Carbide contests are highly colorful and always well attended. They culminate a long period of drilling by the seven-member teams that instill a thorough training in first aid principles that are of great value if emergencies occur in the plant or the homes of the trainees.

The contest consists of each team working three problems in administering first aid to simulated victims of accidents with the details of injuries being given to the teams just before the contest starts.

SAFETY SCOREBOARD

Your Plant Has Operated
16 Days
Without A Lost Time Accident
Through August 10

Camera Club To Hold Outing On August 24

Members, prospective members and friends of the Carbide Camera Club personnel have been notified and invited to the annual outing and picnic of the organization to be held Sunday, August 24, at Cove Lake State Park, near Caryville, Tenn., according to Janet Cisar, vice president and program chairman of the club.

Folks attending the affair are urged to meet in their automobiles at 9 a. m. at the Oak Ridge end of the Edgemoor bridge, from where the caravan will proceed to the scene of the picnic. Stops may be made along the way for picture taking and the photographic enthusiasts will have a field day at the state park, which abounds with fine scenery.

Club members and others wishing to attend the outing and who do not have transportation are urged to communicate with Janet Cisar, telephone 7726; or President Robert W. Schroeder, telephone 7527; and arrangements will be made for them. All are asked to bring picnic lunches for the affair, and—of course—their cameras and film.

The next regular meeting of the club will be held on Tuesday night, September 9, when a contest for color slides on farm scenes will be held.

AICHe To Hold Seminar Meeting At ORINS Tonight

A seminar meeting of the Oak Ridge Chapter of the American Institute of Chemical Engineers will be held at 8 o'clock tonight, Wednesday, August 13. The session will be held in Room 20, Oak Ridge Institute of Nuclear Studies Building, on Administration Road back of the Atomic Energy Commission administration building. All Y-12 members and others interested in the organization are urged to attend.

Dr. J. M. Dallavalle, of the Georgia Institute of Technology, will be the principal speaker. His topic will be "Micromeritics." He is an author of a book on the subject, the volume being used as reference in the field of fine particles technology.

Rocket Enthusiasts Will Meet Thursday, Elect Officers, See Movie On Launching

An organizational meeting of rocket and jet propulsion enthusiasts of Oak Ridge and Knoxville will be held at 7:45 o'clock tomorrow night, Thursday, August 14, in Room A-205, Oak Ridge High School, it has been announced by Robert W. Bussard, of the ANP Division in Y-12, a leader in a group advocating the movement.

The meeting will be featured by a talk by R. J. Affel, also of the ANP Division, on the History of Rocket Development, and a moving picture of launching of the Aerobee rocket.

The group is expected to elect officers and adopt a name at the meeting tomorrow night. A steering committee composed of Bussard, Affel and A. B. Longyear, all of the ANP Division; W. P. Berggren, Oak Ridge National Laboratory; William Leach, Oak Ridge business man; and W. P. Hogan and Thomas W. Scott, of the University of Tennessee, Knoxville, was appointed at the last meeting of the group to report on plans for organization.

Mineralogy Society To Hear South Dakota Mine Expert

The regular monthly meeting of the Oak Ridge Mineralogy Society will be held at 8 o'clock tonight, Wednesday, August 13, in the Oak Ridge Institute of Nuclear Studies Building on Administration Road, in rear of the Atomic Energy Commission building. E. E. Johnson, of South Dakota, will be the principal speaker and his subject will be "Mines and Minerals of the Black Hills of South Dakota." He formerly was employed by the Homestake Mines, the largest gold mines in the world, located at Lead, S. D.

The Gem Cutting Section of the Mineralogy Society meets at 8 o'clock every Friday night in the Craft Center on Outer Drive. All Y-12ers interested are invited to attend these meetings.

VIEWS DIM ON POWER

In a current issue of the Scientific American, Drs. John F. Flagg and Edward L. Zebroski declare that low-cost electricity from atomic energy is "not just around the corner." They say much research lies ahead before this goal can be expected.

PITY POOR PEDESTRIAN, GIVE HIM A BREAK

Drivers of motor vehicles in Y-12 are reminded that pedestrians have the right of way on regularly marked cross walks across streets and roads in the plant area. Such drivers are urged to use caution in approaching the cross walks and not force pedestrians to have to jump out of the way or wait to cross the streets.

City Recreation Department To Lend Camping Equipment

Y-12ers who enjoy camping and who do not own camping equipment of their own now may borrow such gear from the Oak Ridge City Recreation Department, officials of that department have announced. The equipment was purchased by the Kiwanis Club and given to the Recreation Department for loan to responsible parties.

Equipment available include six pup tents, one large cooking kettle, one barrack bag, 18 water pouches, 18 belts and 18 pack carriers. There is no charge for use of the equipment and reservations for it may be made by telephoning the Recreation Department, 5-3521, extension 70.

Missouri Scientist To Talk At Physics Seminar Meeting

The Oak Ridge Physics Seminar will hold its regular weekly meeting at 3:15 o'clock Friday afternoon, August 15, in the auditorium of the new research building at the Oak Ridge National Laboratory. Dr. N. S. Gingrich, of the University of Missouri and ORNL, will lead the discussion. The topic will be "Neutron Diffraction By Manganese Antimonide." Y-12ers interested in the subject are invited to attend the session.

Carbide To Build New Plant In California

Design and engineering is under way, and certificates of necessity have been issued by the Defense Production Administration, for a new plant in Los Angeles County for Carbide and Carbon Chemicals Company, according to an announcement by Dr. J. G. Davidson, President.

The Company, a Division of Union Carbide and Carbon Corporation, plans at this new plant to produce the wonder plastic polyethylene. The plant will produce ethylene glycol, which is used among other things as a base for permanent anti-freeze for automobiles.

Cost About \$36,000,000

The project will involve an eventual investment of upwards of \$36,000,000. It is estimated that it will give employment to from 250 to 350 persons, many of whom will be technically trained.

Carbide and Carbon Chemicals Company was a pioneer in the production of polyethylene plastics in the United States, and is now one of the principal producers. The Company also was the first producer of ethylene glycol in the United States, and continues to be a major producer of this product. Both of these materials are now made at other plants of Carbide and Carbon Chemicals, including those located at South Charleston, W. Va., Institute, W. Va., and Texas City, Tex.

First Of Kind On Coast

The new Los Angeles County plant, the exact location for which has not yet been announced, will be the first plant on the Pacific Coast to manufacture polyethylene and ethylene glycol. It is expected to supply the needs for these materials for the West Coast and the Mountain states.

Polyethylene is the fastest growing plastic material and is the only one now under allocation by the government. It was introduced in 1942 as an insulation for use on radar apparatus. Its use permitted the employment of high frequency radar submarine equipment both on naval vessels and in aircraft.

During World War II Carbide and Carbon Chemicals Company and other Divisions of Union Carbide designed and built in nine months, at the request of the Navy, the first polyethylene plant.

Continued on Page 4

The Bulletin

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Horse Show To Draw Many Y-12 Enthusiasts

Many Y-12ers are expected to be in the stands when the East Tennessee Riding Club and Horse Show Association will stage the fourth annual Oak Ridge Horse Show on Friday night at the group's new grounds on Tuskegee Road in the Gamble Valley section. Tickets may be obtained in advance at the Music Box, Jackson Square, or at the grounds on the night of the show.

Many of the leading show horses in East Tennessee are expected to be shown at the event here Friday night, according to James P. Jackson, president of the association.

Association members have been busy during the last several weeks building the grandstand and ring for the show this week and future events. The grandstand will have a seating capacity of approximately 600 persons and an additional 200 can be accommodated in box seats in front of the stands. Future plans of the association provide for a clubhouse and stables.

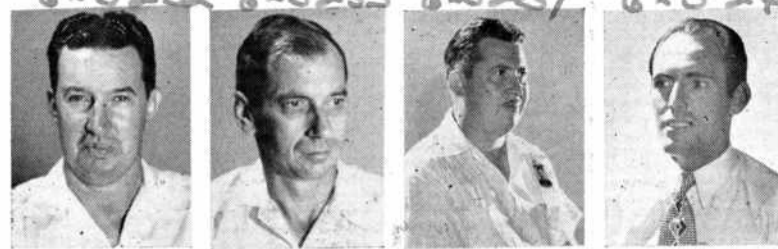


Six Y-12 employees were listed as parents of babies born recently at the Oak Ridge Hospital. Leo H. Theisen, Maintenance Shops, became father of a boy August 1. Clifford R. Stiles, Administrative Normal, became father of a boy August 1. Ellis G. Rains, Maintenance Shops, became father of a girl August 2. Ernest K. Yates, Administrative Normal, became father of a boy August 3. George J. Nettle, Materials Chemistry, became father of a girl August 3. Richard D. Worley, ANP Division, became father of a girl August 7.

CEMETERY TO STAY

The Paducah, Ky., Sun-Democrat reports that Atomic Energy Commission officials have decided not to move a cemetery in the northern part of the Paducah plant reservation in connection with the expansion program there.

Two Departments And Divisions Represented In Third List Of Sketches Of Y-12ers Promoted Since July 1, 1951



A. V. Bible

R. H. Evans

J. R. Helton

E. W. Pipes



The Analytical Laboratory wishes to extend best wishes to the following Y-12ers who have been transferred to the Assay Laboratory, under the supervision of L. E. Burkhart—also a recent Analytical Labber—Margaret Alley, Edith Barger, Julia Butler, Janice Childress, Billye Morton, Susie Smith, Wanda Vineyard, Beatrice Bloomer, Lodean Butler, Mary Jo Cannon, Charlie Bain, Elizabeth Gresham, Margaret Settlemyre, Emily Walker, and Thelma Walters . . . Congratulations to "Buck" Davis who

is making future matrimonial plans—his fiancée is Cleo Martin, a new arrival in Y-12 and who will be working with the Assay Laboratory . . . Best wishes to Janice Childress, who is sporting a big sparkler with "those" intentions for the near future.

Building and Grounds extends get-well wishes to P. L. Cook's little 11-year-old daughter, who was critically injured when she ran into a sign post while riding her bicycle near their home at Powell.

The Transportation Department extends sympathy to A. J. Bingham, whose brother, Thomas Bingham, was drowned on August 5 near his home in Kansas City, Mo. . . . Avery Kendig spent last week's vacation fishing all over the place—his co-workers declare that fishing season might well be closed as there would be no fish after he finished up. (However, no evidence has been submitted supporting the allegation.)

George Harris, of Safety, has moved his family from Raleigh, N. C., to our fair city—his co-workers bid them a hearty welcome . . . J. F. Carpenter has returned from a week's vacation with relatives in Virginia.

Hearty congratulations go to Bob Devenish, of ANP, and his wife, Idana, a former Y-12er in the Research Engineering Department, who are the proud parents of a baby boy born August 6 at the Oak Ridge Hospital.

Sarah Keith, of Manufacturing Offices, is vacationing at home in Knoxville this week.

V. W. Arms, of Research Services, his wife and daughter, Sue, attended a family reunion on August 4, at the home of his brother, S. L. Arms, in Fountain City. Honor guests were his daughter, "Dorthy", Mr. and Mrs. W. A. Spaulding with their three sons, Ronald, Wayne and Harold,

of Houston, Tex.; and a host of other relatives and friends.

Capt. F. L. Remine, of the Fire Department, vacationed at home in Knoxville, last week to be with his son who is in from California.

G. E. Fielden, of Electrical Maintenance, is spending a two-week vacation resting up at his home in Oak Ridge . . . R. L. Carpenter spent his week off at home in Knoxville . . . W. M. Akers, O. H. Cutshaw and E. W. Pipes also were on last week's vacation list. . . . Congratulations are extended to Grace Tramel, a former Y-12er in the department, who is the mother of an eight-pound, eight and one-half ounce baby girl—the Tramels now live in Augusta, Ga.

Mary Branham, of the Laundry, spent last week's vacation at home in Oliver Springs . . . Lillian Hamlet is vacationing for two weeks at her home in Cumberland Gap, Tenn. . . . Laura Kennedy is taking it easy at her home in Lake City while on two weeks of vacation . . . The best of luck goes to Jesse Freels, who has terminated to take a job at Winrock, Tenn. . . . The department welcomes Maxine Palmer to the roster.

Lennis Winchester, of Plant Records, with her family, is on a two-week vacation tour of Washington, D. C., New York City, and Canada . . . Bobbye Jean Jesse and her husband, Don, spent the week end visiting his parents, Mr. and Mrs. Carl Jesse, in Kingsport. . . . Helen Burkhalter's husband, Max, was home on a recent week-end pass from the Marine Base at Cherry Point, N. C. . . . Pat Zerby and Frances Sachs spent a recent week end with Frances' mother, Mrs. Long, in Athens, Ga.

Virginia Phillips, of Personnel, and her husband, Ray, of Chemical, and daughter, Carole, are visiting Ray's folks in Bethesda, Ohio, on their week of vacation . . . T. A. Burkett, his wife and son are really roughing it while vacationing—they have pitched their tents down near Watts Bar where they hope there are plenty of fish—Tom has already reported a good sized catch—a ten-pound catfish. (He has to prove it.)

Dorothy Bowman, of Health Physics, is vacationing this week at home in Oak Ridge—her mother is visiting from Trenton, N. J.; and they plan to make some trips to the Smokies during her stay. See where U-T lady scientist was quoted last week that objects flying around in the air over the week end might be meteors. Silly girl! Everybody knows they were tops blown by defeated politicians after Thursday's elections.

Most hearty congratulations go to Malcolm P. Crews (the original), crafts foreman in Field Maintenance, who is now a proud grandpa—believed to be the youngest in Y-12—his son, Malcolm P. Crews II, a former Y-12er in Buildings

In this third publication of sketches of Y-12 employees who have received promotions since July 1, 1951, two divisions and two departments are represented. The Y-12ers cited this week are from Receiving and Shipping, Manufacturing Offices Division; and Electrical Maintenance Division. Following are four of the sketches.

Albert V. Bible—A Y-12 employee since July 12, 1943, Bible was promoted from receiving and shipping clerk in the Receiving and Shipping Department, Manufacturing Offices Division, to stores foreman on March 17, 1952. He was married on March 28, 1937, and lives at 103 Ogontz Lane, Oak Ridge, with his wife, Mrs. Ora Van Bible. They have one son, Don.

Robert H. Evans—Evans was employed in Y-12 on April 21, 1944, and has been with the Receiving and Shipping Department ever since. He was promoted from stores foreman to stores supervisor on April 1, 1952. He is single and lives at 140 Parsons Road, Oak Ridge.

James Ray Helton—Helton was first employed in Y-12 on March 3, 1944, and rehired on February 2, 1948. On July 1, 1951, he was promoted from electrician to maintenance foreman in the Electrical Maintenance Department. He was married on June 22, 1936, and he and his wife, Mrs. Beatrice Helton, live at 127 Parsons Road, Oak Ridge. They have two children, Doris Ann, 13, and Jimmie, 11.

Edward W. Pipes—Coming to work in Y-12 on October 10, 1950, Pipes was promoted from instrument mechanic to maintenance foreman in Electrical Maintenance on July 1, 1951. Married in 1941, he and his wife, Mrs. Jessie Pipes, live at 103 Placer Lane, Oak Ridge. They have three children, Mary Emily, Freddy and Johnny.

and Grounds, became father of a baby boy, Malcolm P. Crews III, on August 5. Young Crews II is in the Air Force and stationed in Tucson, Ariz.

Harold B. Greene, of Isotope Research, and his family are on a week's vacation tour of Florida . . . The best of luck is wished for R. L. Jeffries, who has been transferred to the Training Department.

Virginia Spivey Coleman, of the Material Chemistry Division, was one of the lucky prize winners in the "Know Oak Ridge" contest sponsored by the Oak Ridger—she won the second prize, a \$50 defense bond.

Emma Pucket, of Stores, is on a two-week vacation—she is visiting the home folks in Shelbyville, Ky., and a sister in Louisville . . . E. H. Hutson is enjoying a week of vacation.

The Property Department welcomes **William Boyd Plemens** back to the roster—Bill has done a hitch in the Navy, being stationed in Bainbridge, Md.

J. A. Duncan, of Receiving and Shipping, is on two weeks of vacation and as far as anyone knows he is spending it around home in Wartburg . . . The department extends the best of wishes to C. D. Wills who is off for the Army.

Mona Rollins, of the Assay Laboratory, and her husband toured North and South Carolina, during their two-week vacation . . . **Florence Robbins** is making a trip to Indiana—aside from that she is spending this week's vacation at home in Oneida.

Hearty congratulations are extended to **George Nettle**, of the Materials Chemistry Division, at the birth of a baby daughter on August 3, at the Oak Ridge Hospital . . . **Frank Knox** and his family are visiting relatives in San Antonio, Tex., on his two weeks off . . . **Frances Gilliam** and her family are visiting Minneapolis, Minn., while vacationing for two weeks . . . **W. T. Ward** and his family are driving up through the New England states and on into Canada for a vacation treat . . . **R. E. Meadows** has returned from



ASBURY-HENDERSON

The marriage of Miss Delia Eileen Henderson, of the Y-12 Property Department; and Elbert James Asbury, Jr., of Engineering; was solemnized at 4 p. m., Saturday, August 2. The ceremony was performed at the Third Creek Baptist Church, Knox County, with the pastor, the Rev. Roy Arwood, officiating.

The bride is the daughter of Mr. and Mrs. Arthur Edward Henderson, Route No. 7, Knoxville. The groom is the son of Mrs. E. J. Asbury and the late Mr. Asbury, of Knoxville.

Nuptial music was provided by Ralph Gwinn and the bride was given in marriage by her brother-in-law, Capt. William A. Naugher, of Ft. Bragg, N. C.

At her wedding Mrs. Asbury wore a ballerina length dress of nylon net lace over satin with a fitted bodice embroidered with seed pearls and a fingertip veil of illusion. Her bouquet was of white orchids and gardenias.

Mrs. William A. Naugher, sister of the bride, was maid of honor and wore a gown of romance blue fashioned like that of the bride. Her bouquet was of yellow roses and carnations. Other attendants of the bride were Miss Wilma Henderson, sister of the bride; and Mrs. Merle B. Hilton. Their dresses were similar to that worn by the maid of honor.

Best man was William P. Asbury of Knoxville, brother of the groom. David Johnson and Merle B. Hilton, of Knoxville, were ushers.

Following the ceremony a reception was held at the home of the parents of the bride.

The groom attended the University of Tennessee, Knoxville.

The couple will live in Oak Ridge.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Nella K. Murphy and Lou Faye Brown, Analytical Laboratory; Lyman E. O'Dell, Administrative Product; William L. Blackford, Administrative Normal; Mary E. Lee, ANP Division; and James E. Stone, Field Maintenance.

Card Party, Meeting Set August 20 By Carbide Wives

The monthly meeting and card party of the Carbide Wives is scheduled for 7:30 o'clock next Wednesday night, August 20, in the East Lounge of the Ridge Recreation Hall. Bridge and canasta will be played and all Y-12 wives of Carbide employees are invited to attend.

Mrs. Tom Gayle is the executive member in charge. Hostesses will be Mesdames Larry Koontz, J. E. Longendorfer, Bernard Lieberman, D. H. Haneldy and O. C. Parker.

a week of vacation in Charlotte, N. C. . . . **Hank Buttram** and family has had his niece, Nancy Ellen Hudson, from Birmingham, Ala., as a recent two-week visitor . . . **J. M. Schreyer** and **E. E. Clark** are on this week's vacation list . . . **Helen Powers** and her husband, Bill, are taking this week off to entertain Bill's sister who is visiting them from Brooklyn, N. Y. They plan to spend a day or two in Gatlinburg and then go on over to Boone, N. C., to see the current play at the out-door's theater there . . . **John Redman** and his wife, Jean, spent a recent week end in Boone.

Aw shucks, let's go home.



Y-12 Photo By Vince Moore

CARSON-NEWMAN COLLEGE HAS A NUMBER OF ALUMNI holding important positions in Y-12 and other Carbide units in Oak Ridge, many of whom gathered at a recent meeting of the Carson-Newman Alumni Association in Clinton. In the group above are, from left, D. O. Lintz, Dockie Smith, of Y-12; Prof. Alex Chavis, secretary of the association; Dr. Harley Fite, president of the college; Harvey Kite, of Y-12; and J. W. Charles, another Y-12er. In the front row are Mrs. Smith, Mrs. Kite, Mrs. Lintz, Mrs. Alma Moore, a Carson-Newman alumnae herself and wife of Vincent Moore, of Y-12, another graduate of the college; and Mrs. Charles.

PALO O'NEAL WINS Y-12 GOLF CHAMPIONSHIP

Red Birds Batter ORNL, K-25 To Reach Finals

Lab Is Lambasted 11-0, Blues 2-1; Perry Is Star

Robins Romp To 17-0 Win Over Bluebellies To Reach Last Round

During the past season the Y-12 Robins, the plant's feminine softball contingent, had been earning most of the headlines and honors—but that was up to last week. Then their big brothers, the Red Birds, apparently decided it was time to do something about it—and they did—by knocking over their two Carbide rivals in Oak Ridge in their opening games in the Oak Ridge tournament to decide the city's representative in the state tournament in Chattanooga the latter part of this week.

Robins Beat Bluebellies

The Robins kept right in there, however, by banging out a 17 to 0 win over the K-25 Bluebellies Saturday night as Ella Mae Koontz held the opposition to three hits and the other girls rapped hits with abandon. This win, added to the 13 to 0 win by the Birds over ORNL and 2 to 1 triumph over the K-25 Blues put the Y-12 outfits in the finals slated for Monday night. The Red Birds again were to play K-25 after the Blues licked ORNL by 8 to 7 Saturday night.

Because of the rain of last week the tournament schedule had to be moved back a couple of days and so the Red Birds of Manager Roy Roberts were not slated to play their next game until Monday night of this week. If victorious in this clash they will get the nod for the Chattanooga event Friday, Saturday and Sunday. If not, they have another chance at the Atomic City title either Tuesday or Wednesday.

Although the entire Red Bird team played heads-up ball in those two wins over Oak Ridge National Laboratory, by 13 to 0, and K-25 by 2 to 1 in eight innings, it was the pitching of Morris Perry that



Morris Perry

was mostly responsible for the march of the Y-12ers to victory. As his mates were lambasting the Labsters the Bird hurler was limiting the opposition to a pair of scratch bingles. Against K-25 he repeated the two-hit performance. He fanned 11 Labsters and 10 Blues and passed only three in the two games. It was just about as nifty a job of pitching as has been turned in around these parts for many moons.

In whipping the Laboratory outfit, which had won the second half of the season title in the Knox-Ridge League, the Red Birds flew out in front in the first inning with 11 runs on nine hits. They added another in the fourth on Bobby Loy's double and Walt Simmons' single. Walt Sherrod's single coupled with a pair of bobbles gave the Y-12ers another tally in the fifth. Loy got three hits,

All Y-12 Bowlers Urged To Attend Organizational Meeting For Plant Leagues At Oak Terrace Thursday

All Y-12 bowlers interested in playing with any team in a Y-12 plant league this coming season, male or female, is urgently invited to attend an organizational meeting to be held at 8 o'clock tomorrow night, Thursday, August 14, at the Oak Terrace. The meeting originally was set for Thursday afternoon at the Recreation Office, but because of the high interest shown in plant keg-

ling circles the site was changed to the Oak Terrace to accommodate an expected large attendance. It is especially urged that every department or group in the plant planning to have a bowling team this season have a representative on hand for the meet-

ing tomorrow night. Tentative plans call for organization of four men's leagues and one women's league, but more will be formed if it is found necessary to accommodate all Y-12ers who want to bowl.

A moving picture "Better Bowling—How It Is Done," will be shown at the meeting.

Y-12 SPORTS NEWS



6-5112
HARD SCRAPPERS IN THE CARBIDE LEAGUE IN EVERY game are the Duds, pictured above. In the front row, from left, are H. E. Alvey, Tally Livingston, Milton Carlton, Abe Snapp and Willie Fowler. In rear are Fred Roscoe, R. P. Wallace, Manager Bill Lowry and J. M. Patterson.

Photo By Vince Moore

Both Plant Loops Have Deadlock For Top; Rain Causes First Serious Delay In Slate

Ties existed for the lead in both of the plant softball leagues after play ended last week. In the Carbide League Bldg. 9212 and Uranium Control Junior Varsity were deadlocked with three wins and no losses each. The Carbon League standings saw the Engineers and Rusty Nine, bitter rivals from the same division, tied at four wins and one loss each.

Huskinson, Simmons and Sherrod each got two hits. Addison, Morgan, Webber and Montgomery got one each.

Addison, Montgomery, Potent Pair

It was a different story against the Blues and it looked for a while as if "Po" Smith, former Y-12er and Red Bird jinx for a long time, might still assert his mastery. But the Birds were not to be denied and after the Blues had tallied once in the fourth, the Y-12ers came back to tie it up in the sixth. In that session Jack Addison singled and went to second on a sacrifice. Rabbit Montgomery pounded a ponderous drive to far in the outfield to easily score Addison but Rabbit was called out when he attempted to try for a homer and the umpire ruled he had missed home plate in his slide. Unruffled by this setback, the same combination of Addison and Montgomery got together in the eighth with the latter's single scoring Jack, who had reached second base on an error, the only one by either team in the game.

Line scores of the Y-12 games follow:

Team	R	H	E
ORNL	0	0	0
Y-12 Birds	11	0	1
Keller and Williams, Perry and Morgan.			
K-25 Blues	0	0	0
Y-12 Birds	0	0	1
Smith and Benton, Perry and Morgan.			
Y-12 Robins	0	3	1
Bluebellies	0	0	0
Koontz and Roberts, Gross and Smith.			

**More Sports News
On Page Four**

10 Plant Leagues Teams Are Entered In Class B Tourney

Ten plant leagues teams had entered the Oak Ridge Class B softball tournament by deadline time Monday morning. The Y-12 Woodpeckers, plant entry in the Recreation League, also may enter the event, although a number of the players are performing with plant loop outfits.

The tournament is slated to get underway next Monday night, August 18, at Middletown Park. The drawings, of course, will not be known until later this week.

Plant circuits teams entering are Bldg. 9212, Hobslurps, Duds, 49ers, Grocers, Uranium Control Junior Varsity, Rusty Nine, Engineers, All Thumbs and Bums.

Orioles Meet K-25 Tonight, Defeat MSI By 8-4 Score

Manager Elmore Koons' Y-12 Orioles, the plant entry in the Oak Ridge Slow Pitch League, will meet the K-25 balloon boys at 7 o'clock tonight, Wednesday, August 13, at Middletown Park. The Orioles mauled the Management Services team by 8 to 4 last week.

The game was well-played although the Y-12ers outclassed their opponents all the way, got away to an early lead and held it. Timely hitting by the Oriole battery, Andy Anderson and Manager Koons and Max Wright featured the victory. The latter two hit homers and Anderson bagged three bingles out of four trips to the platter.

Line score follows:

Team	R	H	E
Y-12 Orioles	201	300	2
MSI	011	011	0

Anderson and E. Koons, Brinkman and McClain.

Lab Lobbers Beat Y-12 Racqueteers

The Y-12 men's tennis team took it on the button last week, allowing the netters of Oak Ridge National Laboratory to score a four to one victory. The win gives ORNL the second half of the season title and the Lab lobbers and racqueteers of Y-12 will meet in a playoff for the seasonal championship at a date yet to be selected. Y-12 won the first half of the season.

The only Y-12 triumph over ORNL was scored by Nate Smith over Roy Towns by 6-2, 9-7. The other matches all went to three sets with Hylton topping Don Smith 2-6, 8-6, 6-2; and Silverman upsetting Jack Ransohoff 6-2, 4-6, 7-5 in singles. In doubles ORNL's Cook and Zeitlan beat Hurst and Koontz 3-6, 6-1, 6-1; and Black-shear and Borie defeated Wells and Baker 6-3, 4-6, 8-6.

Carbon clash the Grocers humbled the Hobslurps by 14 to 5.

Line scores, standings and schedule for the coming week are published on Page Four.

Carl Dorr Loses Finals By 4-3; Cater Is Deposed

Former High School Athlete Is Upset Winner In Tourney

Palo O'Neal, former Oak Ridge High School athlete, is the new Y-12 plant golf champion. He won the crown Sunday by upsetting Carl Dorr by four and three in the finals. O'Neal succeeds Les Cater as titlist, Cater having been beaten by Dorr in the semi-finals one up on the 19th hole. O'Neal advanced to the finals in the championship flight by trimming Jake Birchfield by four and three.

Other semi-final and final results, with winner, loser and margin, follow:

FIRST FLIGHT

Semi-Final
Bowles—Boyd, 4-3.
Meece—Spears, 1 up.
Final
Meece—Bowles, 3-2.

SECOND FLIGHT

Semi-Final
Harris—Mitchel, default.
Olson—Lowry, 1 up, 20 holes.
Final
Olson—Harris, 1 up.

THIRD FLIGHT

Semi-Final
G. Peterson—Dunlap, 3-2.
Nessle—Keesee, 2-1.
Final
G. Peterson—Nessle, 4-2.

FOURTH FLIGHT

Semi-Final
Hill—Dunlap, score unavailable.
Matlock—Brown, 1 up.
Final
Hill—Matlock, 6-4.

FIFTH FLIGHT

Semi-Final
Koons—Matthews, 3-2.
Johnson—Underwood, 4-2.
Final
Koons—Johnson, 5-4.

SIXTH FLIGHT

Semi-Final
Kennedy—Sheil, score unavailable.
Hooker—Olson, score unavailable.
Final
Hooker—Kennedy, 4-3.

SEVENTH FLIGHT

Holliday beat Townsend in the finals, 2-up. Both advanced through semi-finals by default.

Rough Riders Win, Keep Slate Clean

The Rough Riders kept their lead at the top of the Y-12 Plant Golf League last week by trimming the Rebels. Other wins were recorded by the Four Woods over the Shankers, Bldg. 9212 over the Turf Riders, Four 100s over the Hooks and Rebels over the Turf Riders.

League standing follows:

Team	W	L
Rough Riders	10	0
Four Woods	8	2
Rippers	6	2
Fat Boys	5	3
Bldg. 9212	5	5
Grand Slammers	4	4
Four 100s	4	6
Hooks	4	6
Rebels	4	6
Eagles	2	6
Turf Riders	2	8
Shankers	2	8

AEC Pistol Team Noses Out Y-12ers

Although dropping a close match to the Atomic Energy Commission pistol team, the gumen of Y-12 remained in a tie for first place in the Oak Ridge league for the first half of the season. The AEC team nosed out Y-12 by 1448.748 to 1447.331. The Y-12 team was slated to fire against K-25 on Tuesday of this week.

Scratch and handicap scores of the Y-12ers were W. B. Lewis 245—290.834; A. B. Longyear 227—290.094; H. C. Hoy 255—289.560; J. D. Kingston 269—288.927; and V. O. Haynes 200—287.896.

TURIN GETS SYNCHROTON

According to the Associated Press the first Italian synchrotron will be built at Turin University.

RIDGERS DRAW BYES IN 'NOOGA OPENER

Oak Ridge teams drew byes in the state softball tournament at Chattanooga for the opening games Friday night. The Ridge representatives will play their first games Saturday. The men will meet either the Chattanooga or Nashville winners and the women will play the winner of the Rockwood-Thatcher game.

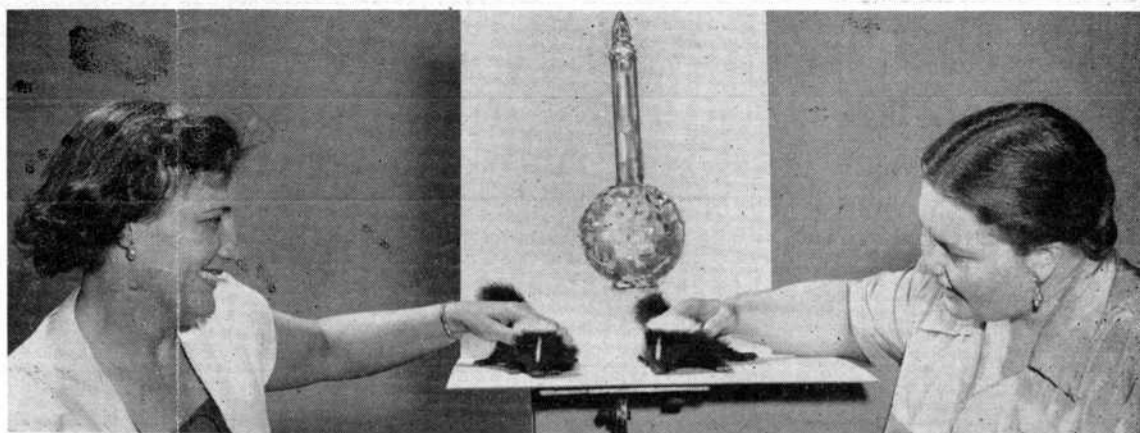
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Y-12 Photo By Vince Moore
THOSE LITTLE "WOODS KITTENS" ARE INKY AND BLINKY—NO STINKY, YOU SEE, BE-
cause they are de-skunked little skunks recently acquired by Sarah Kerr, of the Photographic Section,
right. Admiring the kittens, at left, is Elizabeth Collins, a fellow employee. Above the pets, as a sugges-
tion if they feel a relapse coming on, is a bottle of "Bar Crik Barfume."

Plant League Results Standings, Schedules

Team	R	H	E
Sparks	0	1	0
Short Circuits	8	3	4
Whited and Everett	1	—	28
Rusty Nine	010	030	—
Engineers	022	007	—
Burnett and True	4	6	3
Grocers	204	44	—
Hobslurps	200	03	—
Wiley and Salmon	5	5	9
49ers	200	000	012
Peons	001	100	010
Sise and Jones	5	6	4
Bums	000	003	0
Bldg. 9212	000	031	—
Walton and Dodson	3	8	2
Duds	130	031	3
UCJV	006	012	3
Gordon and Carlton	11	11	8
Hopper and Hop-			
kins			

STANDINGS THROUGH AUGUST 8 CARBIDE LEAGUE

Team	W	L
Bldg. 9212	3	1
UCJV	3	0
49ers	3	1
Bums	2	3
Duds	1	4
Peons	0	4

CARBON LEAGUE

Team	W	L
Rusty Nine	4	1
Engineers	4	1
Hobslurps	3	2
All Thumbs	2	2
Guards	2	2
Grocers	2	3
Sparks	1	4
Short Circuits	1	4

SCHEDULE THROUGH AUGUST 20

Wednesday, August 13—5:45, Peons vs UCJV. 7:15, 49ers vs Bldg. 9212. 8:45, Bums vs Duds.
Thursday, August 14—5:45, Grocers vs Guards. 7:15, Hobslurps vs All Thumbs.
Friday, August 15—5:45, Bldg. 9212 vs Bums. 7:15, UCJV vs Duds. 8:45, Peons vs 49ers.
Wednesday, August 20—5:45, Duds vs 49ers. 7:15, Bldg. 9212 vs Peons. 8:45, UCJV vs Bums.

Rides Wanted And Offered

Want To Participate In Car Pool
—From South Clinton, straight
day. W. H. Cope, plant telephone
7549.

New Helicopter Invented Powered By Four Rotors

A spidery helicopter with 12 "legs" to "walk" through the sky has been invented by John Sidney Neale, Hendon, England, according to the National Patent Council. He has obtained a United States patent for his helicopter with four three-bladed rotors. A sketch in the Official Gazette of the Patent Office shows a passenger-carrying fuselage similar to that of a conventional transport airplane. One rotor is forward and one at the rear of this fuselage. By an outrigger arrangement there is attached a nacelle of similar but narrower design. The other two rotors are forward and rear on the nacelle. The power plant is in the nacelle. Manufacturing rights have been assigned to the Pennine Aircraft, Limited, of England.

ATOM SUB MODEL SHOWN

The Washington Star reports that the Truxton-Decatur Naval Museum in Washington is exhibiting a small model of the new atomic powered submarine, the Nautilus.

Varied Program, Prizes Are Planned For Pistol Shoot

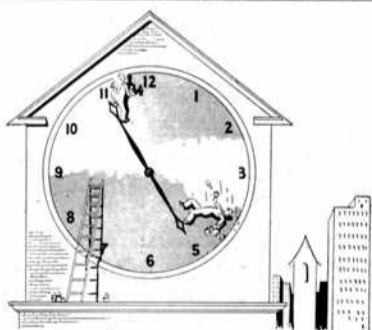
Y-12 firearms enthusiasts are urged to turn out for the second .38 calibre pistol shoot of the season to be held at 12:30 o'clock Saturday afternoon, August 16. The event will be held at the range of the Oak Ridge Sportsmen's Association on the Turnpike west of the city.

A varied program will be offered and many cash prizes will be given winners, the amount depending on the number of entrants. First and second prizes will be awarded for the grand total score, expert, sharpshooter, marksman and tyro classes. Each contestant may fire up to 90 shots. They may enter the regular national match course firing, consisting of 10 shots each at 50 yards slow fire and 25 yards each in rapid and time fire. The other events consist of 20 shots at 50 yards slow fire and the same number at 25 yards rapid and time fire.

The entry fee for the event is \$1.50 per person. Further information may be obtained from Harry C. Hoy, Y-12 plant telephone 7292.

Y-12ers Golfers Set Two League Tilts

The Y-12 varsity golf team will meet the K-25 divot diggers Saturday and the Sears outfit on Sunday in Smoky Mountain League tilts. The Y-12ers are leading the league with no losses and seem on their way to winning their second straight league championship.



**DON'T LET TIME
CROWD YOU INTO TAKING
UNNECESSARY CHANCES**

PLAYGROUND CIRCUS SET TONIGHT; TILLER M-C

There will be a lot of Y-12ers in the audience tonight, Wednesday, August 12, at the annual Playground Circus at Blankenship Field when activities begin at 7 o'clock to see their youngsters perform. Several hundred children from various playgrounds of the city will appear in the circus, which is one of the feature attractions of its kind of the year.

Arnold Tiller, Y-12 Recreation Supervisor, is scheduled to be ringmaster of the circus—providing he can raise a red coat, stovepipe hat and cultivate a loud voice by time of the event—which he had started to do last Friday.

Carbide To Build New Plant In California

Continued from Page 1

This plant was the principal source of supply of polyethylene plastics during the war.

Use Swelled After War

Throughout the war no producer was allowed to use polyethylene for other than military uses even for experimental purposes. When these restrictions were lifted, the use of this plastic increased 10 to 12 times. Since it has been made generally available, Carbide's polyethylene has been marketed by Bakelite Company another Division of Union Carbide.

Polyethylene is probably the most versatile plastic material made. Everyone is familiar with its use for squeezable bottles for cosmetics. Tumblers and cosmetics jars that bounce on the bathroom floor rather than shattering are made of polyethylene. Polyethylene is used widely in thin film for wrapping foods and for food bags used in the refrigerator and freezer.

Polyethylene Has Many Uses

In the industrial field polyethylene has myriad of uses. Polyethylene plastic is being applied to render paper waterproof and strong for wrapping and other purposes. Big industrial bottles holding up to 13 gallons have been made from polyethylene. These will handle highly corrosive acids and actively alkaline materials and will not break when dropped. The television industry could not get along without polyethylene. The coaxial cables which transmit television programs from coast to coast contain polyethylene insulation.

Ethylene glycol, which also will be made at the Los Angeles County plant of Carbide finds its largest use as the base for automobile antifreezes, the best known brand of which is Prestone, marketed by National Carbon Company, another Division of Union Carbide and Carbon Corporation. Ethylene glycol is also used in low freezing dynamite which makes possible mining, road building, and evacuating operations in the winter time. It is used in electrolytic condensers used in every radio and television set, in the manufacture of cellophane film, and in non-flammable hydraulic fluids. It is also the basis of Dacron, one of the new synthetic textile fibers.

Other Uses Are Listed

Ethylene oxide, from which ethylene glycol is made, is used in the manufacture of acrylonitrile which in turn is used as a raw material for the production of Dynel, Carbide's new soft wool-like synthetic fiber. It is also used in making some of the new soil conditioners. Many of the new "soapless soaps" are based on ethylene oxide. Agricultural chemicals, including weed killers and insecticides used on the farm are made from it. The plastic layer in safety glass, now used in all automobiles, is plasticized with a material made from ethylene oxide.

Construction of Carbide's new plant in Los Angeles County will mark a new step forward in the chemical industry of the Pacific

Attendance Record

MAJOR LEAGUE More Than 50 Employees Scheduled			
Dept.	Absent	8-3-52	7-27-52
2739	0.3	1	1
2619	0.8	2	9
2060	1.7	3	2
2077	2.0	4	5
2790	2.09	5	5
2142	2.11	6	4
2773	2.3	7	10
2015	2.4	8	13
2618	2.6	9	8
2617	2.8	10	14
2003	2.9	11	7
2014	3.1	12	11
2018	3.5	13	3
2008	3.8	14	6
2091	4.1	15	12
2001	5.7	16	15

Group absentee percentage was 2.6 per cent, .1 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled			
Dept.	Absent	8-3-52	7-27-52
2109	0.0	1	1
2093	0.0	1	6
2200	0.7	2	1
2108	0.8	3	2
2144	1.1	4	1
2005	1.7	5	3
2107	2.2	6	7
2002	2.8	7	4
2143	3.4	8	13
2133	3.9	9	5
2145	4.1	10	12
2743	4.5	11	10
2090	4.6	12	9
2096	4.9	13	14
2616	5.9	14	11
2046	7.3	15	8

Group absentee percentage was 3.1 per cent, .6 per cent lower than the preceding week.

The plant average for the week ending August 3 was 2.7 per cent, .1 per cent lower than the preceding week.

REDS LACK SAFETY PROGRAM

Nearly 100 East German miners recently were killed in a uranium mine blast, according to Walter Boehm, former compulsory laborer in the Soviet controlled pits, who was quoted in a special dispatch to the Providence, R. I. Journal. Boehm presented a grim picture of illness and high death rate among uranium laborers in the area.

Coast. It will bring a source of supply of important basic materials right to the doorstep of West Coast manufacturers.

Brer' Fox, Groundhog Meet In Y-12 Area; Former Loses Hassel

There have been a lot of "nature stories" circulated around Y-12 in the past few years—involving birds, bees, de-skunked skunks and other beasts. But it remained for Joe (Uncle Remus) Carpenter, of the Safety Department, to come up with this one.

Uncle—pardon, Joe—came to The Bulletin Office recently and with little or no encouragement, spoke as follows:

"I just saw really somethin' out in the west end of the plant. I was parked and saw a movement in front of the car—just above a rise of ground.

"It was a gray fox and Brer' Fox was sorta oneasy like—like there was something over that rise he didn't like. He just couldn't make up his mind.

"Then from over the rise came Brer' Groundhog—a big feller with a mean gleam in his eye. Brer' Groundhog and Brer' Fox just glared at each other—like they didn't like each other a doggone bit.

"It looked like trouble—but, believe it or not, Brer' Groundhog tol' old Brer' Fox to scam outa there—and Brer' Fox did. And it all happened right in front of my face and eyes—they didn't seem to give a darn about me a-tall. Good-bye."

(That, good Y-12ers, happened right inside the plant area. Looks like we might make a game preserve out of the place yet.)

BRITISH COMPLETE PLAN

The London Herald reports that Britain's plans for mass-producing atomic bombs in an emergency have been completed. The paper says production lines have been laid down in six centers for quantity output that could be put into swift operation.

"Expense accounts? Why, naturally I filed them under 'X'."



Photo By Vince Moore
SONS AND DAUGHTERS OF Y-12 EMPLOYEES HAVE
taken leading roles in many church activities in Oak Ridge over a period of years. Pictured above are a group of young people of the Robertsville Baptist Church, standing from left being Sammy Clinton, son of a former Y-12er; Kay Mason, whose father now works here; Marvin Cofer, son of an Oak Ridge National Laboratory employee; and seated are Bill Don Lanter, son of a Y-12er; and Anne Thompson, whose father works for A.I.T.